

a polarization separation element formed on an incident facet of the illumination light of said light separating means for selectively transmitting illumination light of a plane polarization corresponding to the plane polarization of the light incident on said reflection-type image-forming means and selectively reflecting the component of the plane polarization orthogonal to that plane polarization arranged between said light source and said light separating means.

11. A projection-type display device, comprising:

a reflection-type image-forming means for spatially modulating and reflecting illumination light of a predetermined plane polarization to emit an optical image with a plane polarization rotated with respect to the plane polarization of the illumination light,

a projection optical system for projecting said optical image,

a light source for emitting said illumination light, and

a light separating means for emitting said illumination light emitted from said light source toward said reflection-type image-forming means and emitting said optical image emitted from said reflection-type image-forming means to said projection optical system,

a polarization separation element formed on an emission facet of the optical image of said light separating means for selectively transmitting incident light of a predetermined plane polarization corresponding to the plane polarization of said optical image and selectively reflecting the component of the plane polarization orthogonal to that plane polarization arranged between said projection optical system and said light separating means.

13. A projection-type display device, comprising:

a reflection-type image-forming means for spatially modulating and reflecting illumination light of a predetermined plane polarization to emit an optical image with a plane polarization rotated with respect to the plane polarization of the illumination light,

a projection optical system for projecting said optical image,

a light source for emitting said illumination light, and

a light separating means for emitting said illumination light emitted from said light source toward said reflection-type image-forming means and emitting said optical image emitted from said reflection-type image-forming means to said projection optical system,

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